

# MASTER OF SCIENCE IN HEALTH SCIENCES IN THE FIELD OF CLINICAL MICROBIOLOGY (STEM)

The online master of science in health sciences in the field of clinical microbiology program provides students with medical microbiology and laboratory science coursework as well as a hands-on microbiology practicum that prepares students for a clinical or public health microbiology laboratory position and provides eligibility for national certification examinations in clinical microbiology. The program also includes additional graduate coursework to prepare students for careers in research institutions, public health laboratories, biotechnology firms, pharmaceutical companies, or governmental agencies.

This is a STEM designated program.

Visit the program website (<https://smhs.gwu.edu/bulletin/smhs/graduate-programs/ms-clinical-microbiology/>) for additional program information.

## ADMISSIONS

Admissions Fall - July 20  
Deadlines:

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| Spring - December 1   |
| Summer - March 20   |
| The application and all supporting documentation (fees, statement of purpose, letters of recommendation, transcripts) must be received by the deadline in order for the application to be reviewed. |

Standardized Not required  
Test Scores:

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|---------------------------|---|
| Recommendations required: | Two (2) recommendations required:   |
| Prior Academic Records:   | Transcripts required from all colleges and universities attended, whether or not credit was earned, the program was completed, or the credit appears as transfer credit on another transcript. Transcripts must be forwarded in their original sealed envelopes.  |
|                           | If academic records are in a language other than English, a certified English language translation must be provided in addition to the original transcripts; translations alone will not be accepted.   |
|                           | Official transcripts from institutions outside the U.S. must be accompanied by an official transcript evaluation from an accredited independent evaluating agency. Please be sure you request a detailed evaluation that includes all course titles, credit hours, grades, U.S. degree equivalency, grade-point averages (GPA), and date of degree conferral. For a list of acceptable foreign credential evaluation services, please follow this link: <a href="https://www.naces.org/members">https://www.naces.org/members</a> ( <a href="https://www.naces.org/members/">https://www.naces.org/members/</a> ) |

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| Statement of Purpose:        | In an essay of 250 to 500 words, describe your reasons for undertaking study in the Health Sciences at the George Washington University. You should state your academic objectives, career plans, and related qualifications, including collegiate, professional, and community activities, as well as any other substantial accomplishments not already mentioned on the application form.   |
| Degree and GPA Requirements: | A bachelor's degree from a regionally accredited college or university<br><br>Overall undergraduate GPA of 3.0 or higher<br>Prerequisite courses: College-level Mathematics (Algebra or higher - 3 credits); English Composition (3 credits); and<br><br>Students must have completed a combination of 30 semester hours or 45 quarter hours of biological, chemical and/or medical science courses with a grade of C or higher that include the following courses: General or Inorganic Chemistry I and II - both courses must include a "hands-on" laboratory (8 credits); General Biology I and II - both courses must include a "hands-on" laboratory (8 credits); General Microbiology - must include a "hands-on" laboratory (4 credits)  |
| Additional Requirements:     | Resume/CV   |
| International applicants:    | International students should check with individual programs regarding eligibility for visa sponsorship. Generally, online and hybrid programs are not eligible for student visa sponsorship from GW. This includes transfer students from any other institution with an existing visa.<br><br>Applicants who have not completed a post-secondary degree from an institution where English is the sole language of instruction must submit TOEFL, IELTS, PTE Academic, or the Duolingo English Test scores to be considered for admission. The following are the minimum scores for admission consideration:<br><br>- Academic IELTS: An overall band score of 7.0, with no individual band score below 6.0.<br><br>- TOEFL: 600 paper-based or 100 internet-based.<br><br>- PTE: Overall score of 68<br><br>- DET: Overall score of 120<br><br>Undergraduate applicants who meet one of the following conditions can be considered for admission without submitting TOEFL, PTE or IELTS or DET scores:<br><br>Scores cannot be more than two years old. To ensure TOEFL scores are sent to GW, use institutional code 5246. An institutional code is not required to send IELTS or PTE scores to GW. DET scores must be submitted via the Duolingo English Test system directly to GW. |

Based on their application and the results of the English proficiency examination students can be required to take English for Academic Purposes (EAP) during their first year of study at GW. GW evaluates each application holistically and applicants can be recommended for EAP even if they meet the requirements for exemption. Students placed in EAP courses should anticipate additional tuition expenses as well as possible extension of time needed to complete their degree programs.

6 credits in HSCI or MLS courses selected in consultation with the advisor.

**Supporting documents not submitted online should be mailed to:**

George Washington University

ATTN: Transcript Processing Center  
1415 W 22<sup>nd</sup> St.  
Suite 220  
Oak Brook, IL 60523

Documents can be submitted electronically  
to: [transcripts@hsprograms.gwu.edu](mailto:transcripts@hsprograms.gwu.edu).

**Contact for questions:**

[hsphora@gwu.edu](mailto:hsphora@gwu.edu)  
202-994-0384 (phone)  
Hours: 9:00 am to 5:00 pm, Monday through Friday

## REQUIREMENTS

| Code             | Title   | Credits |
|------------------|---|---------|
| <b>Required</b>  |   |         |
| HSCI 6263        | Biostatistics Translational Research          |         |
| MLS 6116         | Advanced Clinical Bacteriology I              |         |
| MLS 6117         | Advanced Clinical Bacteriology II             |         |
| MLS 6119         | Advanced Parasitology, Mycology, and Virology |         |
| MLS 6141         | Advanced Immunology and Serology              |         |
| MLS 6151         | Advanced Molecular Diagnostics                |         |
| MLS 6158         | Advanced Laboratory Management and Operations |         |
| MLS 6216         | Microbial Pathogenesis                        |         |
| MLS 6217         | Medical Biotechnology                         |         |
| MLS 6244         | Research Ethics and Integrity                 |         |
| MLS 6251         | Advanced Clinical Microbiology Practicum      |         |
| <b>Electives</b> |   |         |